

**PROJECT PLANNING PHASE**

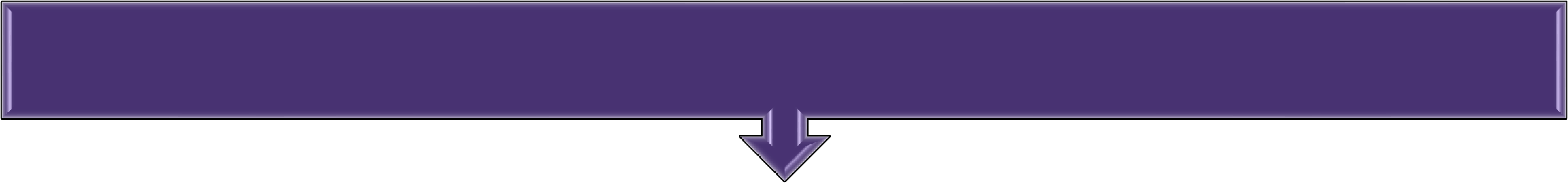
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| **Date:** | 21 October 2022 |
| **Team Id:** | PNT2022TMID05241 |
| **Project:** | Gas Leakage Monitoring and Alerting System |

Prepare Milestone and Activity List

# Project Milestones



FINAL DELIVERABLES



Project Development Phase



Sprint 1



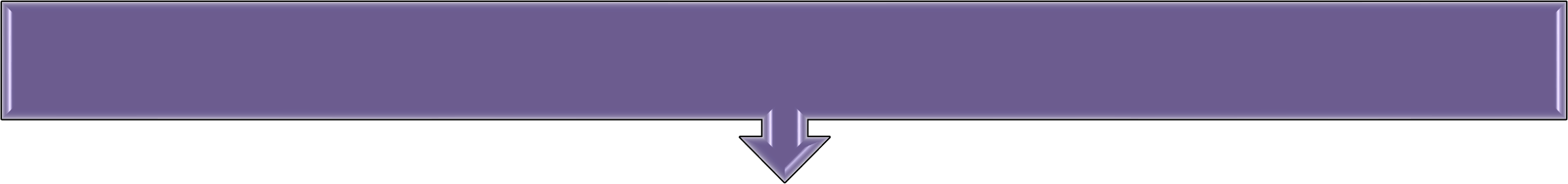
Sprint 2



Sprint 3



Sprint 4



**PROJECT DESIGN & PLANNING**



Ideation Phase



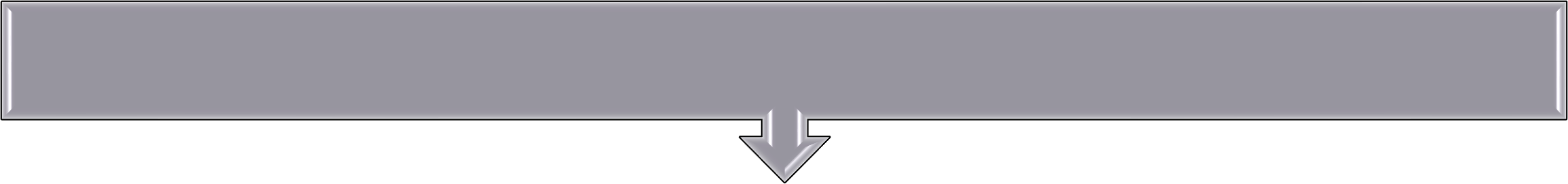
Project Design Phase 1



Project Design Phase 2



Project Planning Phase



**PREPARATION PHASE**

**ACTIVITY LIST**

|  |  |  |  |
| --- | --- | --- | --- |
| **Phase** | **Phase Description** | **Activity**  **Number** | **Activity** |
| **1** | **Preparation Phase**  (Prerequisites, Registrations,  Environment Set-up, etc.) | 1.1 | Access the resources (courses) & guided project workspace |
| 1.2 | Register on IBM Academic Initiative & Apply Feature code for IBM Cloud Credits |
| 1.3 | Create GitHub account & collaborate with Project Repository in project workspace |
| 1.4 | Set-up the Laptop / Computers based on the prerequisites for each technology track |
| **2** | **Ideation Phase** (Literature  Survey, Empathize, Defining  Problem Statement, Ideation) | 2.1 | Literature survey on the selected project & Information Gathering |
|  |  | 2.2 | Prepare Empathy Map Canvas to capture the user Pains & Gains, Prepare list of problem statements |
|  |  | 2.3 | List the ideas by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance |
| **3** | **Project Design Phase -I**  (Proposed Solution, Problem- Solution Fit, Solution  Architecture) | 3.1 | Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc. |
|  |  | 3.2 | Prepare problem - solution fit document & Solution Architecture |
| **4** | **Project Design Phase -II**  (Requirement Analysis,  Customer  Journey, Data Flow Diagrams,  Technology Architecture) | 4.1 | Prepare the customer journey maps to understand the user interactions & experiences with the application (entry to exit) |
|  |  | 4.2 | Prepare the Functional Requirement Document & Dataflow Diagrams |
|  |  | 4.3 | Prepare Technology Architecture of the solution |
| **5** | **Project Planning Phase**  (Milestones & Tasks, Sprint  Schedules) | 5.1 | Prepare Milestone & Activity List, Sprint Delivery Plan |
| **6** | **Project Development Phase**  (Coding & Solutioning,  Acceptance  Testing, Performance Testing) | 6.1 | Project Development - Delivery of Sprint-1 |
|  |  | 6.2 | Project Development - Delivery of Sprint-2 |
|  |  | 6.3 | Project Development - Delivery of Sprint-3 |
|  |  | 6.4 | Project Development - Delivery of Sprint-4 |